

**DIPLOMA IN FIRE SAFETY MANAGEMENT
(DFSTYM)**

Term-End Examination

June, 2011

**BSE-042 : FIRE PROTECTION AND WATER
BASED FIRE SUPPRESSION EQUIPMENT**

Time : 3 hours

Maximum Marks : 75

Attempt any three questions.

3x10=30

1. Define fire. Can fire be classified ? How many classification of fire are there ? Explain in brief.
2. What is dry chemical powder ? What kind of fire can be extinguished by using DCP ?
3. As per NBC, what is the fire protection requirement for a guest house having four floors (ground + 3) and 25 rooms and a basement of 300 m² ?
4. Can river/pond water be used to extinguish fire ? What type of fire appliances are required for this ?
5. A school management has applied for "No objection certificate" to the fire officer. The building comprises of 3 storeys (ground + two). What fire protection arrangement will you suggest for the school ?

6. Write True or False : 2x5=10
- (a) Fire retardant material does not allow fire to spread.
 - (b) Chain Knot is used to rescue casualty from upper floor to ground.
 - (c) Mildew is one of the cause of decay of hoses.
 - (d) In Hydraulic Platform is operated manually.
 - (e) Delivery Hoses are mainly of two types.
7. Write short notes on any *five*. 7x5=35
- (a) Explain foam type of fire extinguisher. Make a neat sketch.
 - (b) Write at least 5 points to take care of fire hoses.
 - (c) What is sprinkler system. Explain its use.
 - (d) How many hose fittings are being used for fire fighting ? Explain.
 - (e) What do you mean by 'Suction Hose' ?
 - (f) Write 5 causes of deterioration of fire hoses.
 - (g) Explain Rescue Knots which are used by fire service.
 - (h) What is the use of hand control branch ? Explain using a neat sketch.
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